

Abstract

5

A double-pane window, installed at a known azimuth, houses a plurality of solar cells. During available daylight, the solar cells track the apparent motion of the sun to provide electricity, based on the 24-hour time and the known azimuth of the window. When sunlight is not available due to either nighttime or the azimuth of the window, the 10 solar cells are parked. This parked position preferably provides a view to the occupants of the building using these double-pane windows. Alternately, the parked position can block incoming viewing, and thus provide a measure of privacy.